

20X SB Buffer

Make 1L: 10mM NaOH, pH adjusted to 8.5 (for 1X SB) with boric acid

pH to 8.0 for 20X

NaOH F.W. = 40.0
= 40g/L=1M
0.4g=10mM
Add 8 g NaOH for 20 X

Add ~ 35 g boric acid (F.W. 61.83)

INSTRUCTIONS:

Start w/ 800 mL autoclaved H₂O in 1000 mL beaker

Add magnetic stir bar—stir at >300 under hood

Add 8g NaOH, continue stirring

Add 35g boric acid, continue stirring

Stir until in solution

Test pH (desired 8.0) , add more boric acid as needed

Add autoclaved water to 1000 mL (in 1L graduated cylinder)

Filter through 0.45 um Filter